| Index of Claims                                | Application/Control No. | Applicant(s)/Patent under Reexamination |  |  |  |  |  |
|--|-------------------------|---|--|--|--|--|--|
| 1   <b>                                   </b> | 10/736,679              | INOUE ET AL.                            |  |  |  |  |  |
|  | Examiner                | Art Unit                                |  |  |  |  |  |
|  | Marie R. Yamnitzky      | 1774                                    |  |  |  |  |  |
| (Through n                                     |                         |   |  |  |  |  |  |

| <b>V</b> | Rejected | E | (Through numeral)<br>Cancelled | 1 | Non-Elected  | A | Appeal   |
|----------|----------|---|--------------------------------|---|--------------|---|----------|
| =        | Allowed  | ÷ | Restricted                     |   | Interference | 0 | Objected |

| Cla             | aim          |          | •        |                | [       | Date      | 9        |          |   |          | Cla  | im       |          |                 |          | D        | ate     |         |                     |           |   | Cla         | aim        |  |                 |          | Ī  | Dat          | e               |                 |                    |          |
|-----------------|--------------|----------|----------|----------------|---------|-----------|----------|----------|---|----------|--|----------|----------|-----------------|----------|----------|---------|---------|---------------------|-----------|---|-------------|------------|--|-----------------|----------|--|--------------|-----------------|-----------------|--------------------|----------|
|                 | <del>-</del> | 2        | 5        | 9              | 8       |           |          |          |   |          |  | aî       |          |                 |          |          |         | Т       |                     |           | ſ |             |            |  |                 | Ī -      | Г  |              |                 |                 | П                  |          |
| Final           | Original     | 4/11/05  | 10/3/05  | 3/13/06        | 8/28/06 |           |          |          |   |          | Final  | Originaf |          |                 |          |          |         |         |                     |           |   | Final       | Original   |  |                 | ĺ        |  |              |                 |                 |                    | İ        |
| iĒ              | ٦            | 7        | 10/      | 3/1            | 8/2     | :         |          |          |   |          | i i i  | Öri      |          |                 |          |          |         |         |                     |           |   | ᇤ           | Ä          |  |                 |          |  |              |                 |                 |                    | İ        |
|                 |              | L        |          |                |         | Ш         |          |          | _   | _        | <u> </u>   |          | L        | Щ               | _        | _        | $\perp$ | _       | $\sqcup$            | 4         | L |             |            |  |                 |          | L  | L            | L               | Ш               | Ш                  |          |
|                 | 1            | 1        | 1        | 1              | 1       | Ш         |          | Ц        | _   | _        |  | 51       | L.,      | Щ               | 4        | _        | _       | $\bot$  | $\sqcup$            | _         | - |             | 101        | L  | _               | <u> </u> | L  | L            | 上               |                 |                    | L        |
|                 | 2            | 7        | 1        | 1              | 1       | $\square$ |          | Н        |   | $\dashv$ |  | 52       | <u> </u> | $  \cdot  $     | 4        | 4        |         | _       | Ш                   | _         | ŀ |             | 102        | L_   | L               | <u> </u> | L  | L            | L               | Ш               |                    |          |
| <b> </b>        | 3            | V,       | 1        | 1              | 7       | Н         | _        | $\vdash$ | _   | -        | -  | 53       | <u> </u> | Ш               |          | _        |         | +       | ┦                   | _         | ŀ |             | 103        | <u> </u>   | Щ               | <u> </u> | _  | _            | ـــــ           | Ш               | $\dashv$           |          |
| $\vdash$        | 5            | 1        | H        | -              | _       | $\vdash$  | _        | Н        | $\dashv$  | -        | -  | 54<br>55 |          | $\vdash$        | -        |          | +       | +       | $\vdash$            | _         | ŀ |             | 104        | <u> </u>   | Н               | <u> </u> | <u> </u>   | <u> </u>     | ╀               | $\vdash$        | $\dashv$           | <u> </u> |
|                 | 6            | 1        | $\vdash$ |                |         | H         | -        | Н        |   | $\dashv$ |  | 56       | -        | $\vdash$        | -+       | $\dashv$ | +       | +       | $\vdash$            | $\dashv$  | ŀ |             | 105<br>106 | ├  | -               | <u> </u> | -  | <del> </del> | ⊢               | $\vdash$        | $\dashv$           | <u> </u> |
|                 | 7            | 1        | $\vdash$ | $\dashv$       | -       | H         | -        | $\vdash$ | -+  | $\dashv$ | -  | 57       | _        | $\vdash$        | $\dashv$ | +        | +       | +       | ╁┤                  | $\dashv$  | - |             | 107        | <del> </del>                                     | $\vdash$        | -        | ┝  | -            | ⊢               | $\vdash$        | $\dashv$           | -        |
| $\vdash$        | 8            | 1        | Н        | $\dashv$       | _       | Н         | _        |          | $\dashv$  | ┥        | -  | 58       | _        | $\vdash$        | $\dashv$ | $\dashv$ | +       | -       | $\vdash$            | $\dashv$  | ŀ |             | 108        | ⊢  | Н               | $\vdash$ | ┢  | ⊢            | ⊢               | Н               | $\dashv$           | _        |
| $\vdash$        | 9            | Ì        | Н        | -              |         | $\vdash$  | $\vdash$ |          | $\dashv$  | $\dashv$ | -  | 59       | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ | +       | +-      | $\vdash$            | $\dashv$  | ŀ |             | 109        | $\vdash$   | Н               | $\vdash$ | $\vdash$   | ├            | ⊢               | $\vdash \vdash$ | $\dashv$           | _        |
|                 | 10           | 7        | Н        | $\neg$         |         | Н         |          |          | $\dashv$  | $\dashv$ |  | 60       | -        | Н               | +        | $\dashv$ | -       | +       | +                   | $\dashv$  | H |             | 110        | $\vdash$   | Н               | _        | -  | $\vdash$     | H               | $\vdash$        | $\dashv$           |          |
|                 | 11           | Ė        | 1        | 1              | 7       | $\vdash$  | $\vdash$ | H        | $\dashv$  | 1        |  | 61       |          | $\vdash \dashv$ | $\dashv$ | +        | +       | ╁       | $\vdash$            | $\dashv$  | ŀ |             | 111        | $\vdash$   | $\vdash$        | -        | $\vdash$   | $\vdash$     | $\vdash$        | $\vdash \vdash$ | $\dashv$           | _        |
| $\vdash \vdash$ | 12           | Н        | V        | 1              | 7       | $\vdash$  |          | $\vdash$ | $\dashv$  | $\dashv$ |  | 62       |          | $\vdash$        | +        | $\dashv$ | +       | +       | $\vdash$            | $\dashv$  | H |             | 112        | $\vdash$   | Н               | _        | -  | -            | ┤               | $\vdash$        | $\dashv$           |          |
|                 | 13           |          | Ī        | į              | 1       | $\vdash$  |          | $\vdash$ | +   | $\dashv$ | $\vdash$   | 63       | Н        | $\dashv$        | $\dashv$ | $\dashv$ | +       | +       | ╁┼                  | ᅥ         | F | -           | 113        | <del>                                     </del> | $\vdash$        | Н        | <del>                                     </del> | $\vdash$     | $\vdash$        | $\vdash$        | $\dashv$           | _        |
|                 | 14           |          | 1        | 1              | 1       | Н         |          | $\vdash$ | 十   | 1        |  | 64       | Н        | $\vdash$        | 十        | 十        | +       | +       | $\vdash$            | $\dashv$  | ۲ |             | 114        | <del>                                     </del> | Н               | $\vdash$ | $\vdash$   | $\vdash$     | ┢               | $\vdash$        | $\dashv$           | _        |
|                 | 15           |          | 1        | 1              | 1       |           |          | П        | $\dashv$  |          |  | 65       | М        | $\sqcap$        | $\dashv$ | $\dashv$ | $\top$  | $\top$  | 17                  | $\dashv$  | F |             | 115        | <del>                                     </del> | H               | Н        | 一  | $\vdash$     | $\vdash$        | $\vdash$        | -                  |          |
|                 | 16           |          | 1        | 1              | 1       |           |          |          | $\neg$  | 1        |  | 66       |          |                 | $\neg$   | $\dashv$ | $\top$  | $\top$  | $\sqcap$            | $\neg$    | ۲ |             | 116        |  | $\Box$          | <u> </u> | ┢  | T            | Н               | $\vdash$        | 一                  | $\neg$   |
|                 | 17           |          | 7        | 1              | 1       |           |          |          |   |          |  | 67       |          |                 |          |          | $\top$  | 1       | П                   | $\neg$    | ۲ |             | 117        |  | П               |          | Γ  |              | П               | П               | ᅥ                  | $\neg$   |
|                 | 18           |          | 7        | <b>V</b>       | 1       |           |          |          |   | 7        |  | 68       |          | П               | T        | $\top$   |         |         | П                   | 7         | ı |             | 118        |  | П               |          | $\vdash$   |              | П               |                 | ヿ                  |          |
|                 | 19           |          | 7        | 1              | 1       |           |          |          |   |          |  | 69       |          |                 | $\neg$   | $\top$   |         |         | П                   |           |   |             | 119        |  | П               |          |  |              | П               |                 | ヿ                  | _        |
|                 | 20           |          | 7        | 1              | 1       |           |          |          |   |          |  | 70       |          |                 |          | $\Box$   |         |         |                     |           |   |             | 120        |  | П               |          |  |              |                 | П               | 寸                  |          |
|                 | 21           |          | 1        | 1              | 1       |           |          |          |   |          |  | 71       |          |                 |          |          |         |         | $\Box$              |           |   |             | 121        |  |                 |          |  |              | П               |                 |                    |          |
| igsqcut         | 22           |          | 1        | ╝              | ╝       | Ц         |          |          |   | _        |  | 72       |          |                 | $\perp$  | $\perp$  |         |         |                     |           |   |             | 122        |  |                 |          |  |              |                 |                 |                    |          |
|                 | 23           |          |          |                | =       |           | _        |          |   | _        |  | 73       |          | $ \bot $        |          |          | $\perp$ |         |                     | _         | L |             | 123        |  | Ш               |          |  |              |                 |                 |                    |          |
|                 | 24           |          | $\sqcup$ |                | =       | $\dashv$  | _        |          | -   | 4        |  | 74       |          |                 | 4        | 4        | 4       |         | $\sqcup$            | _         | L |             | 124        | L_   | Щ               |          |  |              | Ш               | Ш               |                    |          |
|                 | 25           | -        |          |                | =       | $\dashv$  |          | -        | _   | _        | $\vdash$   | 75       |          | $\dashv$        | _        | +        | 4       | ┿       | $\sqcup$            | 4         | - |             | 125        |  | Ш               |          |  |              | Ш               | Ш               | _                  |          |
|                 | 26<br>27     | _        |          | $\dashv$       | =       | $\dashv$  | -        | -        | -   | 4        |  | 76       | $\dashv$ |                 | 4        | _        | 4       | +       | $\sqcup$            | _         | - | _           | 126        |  | Ш               |          |  |              |                 | $\square$       | _                  |          |
| <del></del>     | 28           | $\dashv$ | $\dashv$ | $\dashv$       | ᆿ       |           | $\dashv$ | $\dashv$ | -   | 4        | -  | 77       | _        | $\dashv$        | +        |          | +       | - -     | ₩                   | 4         | ŀ |             | 127        |  | Ы               |          |  |              | Ш               | $\vdash$        | _                  |          |
| -               | 29           | _        |          | -              | 귀       | -         | -        | $\dashv$ | +   | -        | $\vdash$   | 78<br>79 | -        | -               | $\dashv$ | ╬        |         |         | $\vdash$            |           | ⊢ |             | 128        | _  | $\vdash$        |          |  |              | -               | $\vdash$        | -                  |          |
|                 | 30           | $\dashv$ | -        | -              | ╗       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$  | -        | $\vdash$   | 80       | -        | $\dashv$        | $\dashv$ | +        | +       |         | $\vdash$            | $\dashv$  | ⊦ |             | 129<br>130 |  | -               | -        | _  | _            | Н               | $\dashv$        | $\dashv$           | _        |
| $\vdash$        | 31           |          |          | $\dashv$       | =       | -         | $\dashv$ | ┪        | +   | ┨        | <del>                                     </del> | 81       | $\dashv$ |                 | +        | +        | +       | ╁┈      | ₩                   | $\dashv$  | ⊦ |             | 131        |  | Н               | _        | _  | _            | $\vdash$        | $\vdash$        | $\dashv$           | _        |
| -+              | 32           | 7        | $\dashv$ | $\dashv$       | =       | $\dashv$  | $\dashv$ | $\dashv$ |   | ┥        |  | 82       | $\dashv$ | $\dashv$        | +        | +        | +       | ╅       | $\vdash$            |           | ╌ | -           | 132        |  | Н               |          | _  |              | Н               | $\vdash$        | -                  | -        |
|                 | 33           | _        |          | $\dashv$       | 7       | $\dashv$  | 寸        | $\dashv$ | +   | ┥        |  | 83       | $\dashv$ | $\dashv$        | $\dashv$ | +        | ┰       | +-      | $\vdash$            | $\dashv$  | H |             | 133        | _  | $\vdash$        | -        | Н  | Н            | Н               | $\dashv$        | $\dashv$           | _        |
|                 | 34           | $\dashv$ | $\dashv$ | -              | il      | $\dashv$  | $\dashv$ | $\dashv$ | _   | 7        |  | 84       | $\dashv$ | +               | $\dashv$ | +        | +       | +       | -                   | $\dashv$  | H |             | 134        |  | $\vdash$        | $\dashv$ |  | $\vdash$     | $\vdash$        | $\dashv$        | $\dashv$           | _        |
| $\neg$          | 35           |          | $\neg$   | _              | 1       | $\dashv$  | _        | _        | 7   | 1        |  | 85       |          | -               | $\dashv$ | $\top$   | 7       | +       |                     | $\dashv$  | 卜 |             | 135        |  | $\vdash$        | $\dashv$ | $\vdash$   | $\dashv$     | ┌┤              | $\dashv$        | $\dashv$           |          |
| $\neg \neg$     | 36           | 一        |          | $\neg \dagger$ | 1       | _         | 7        | 一        | $\neg$  | 1        |  | 86       | $\dashv$ | $\dashv$        | $\top$   | 十        | $\top$  | +       | $\vdash$            | $\dashv$  | F |             | 136        | Н  | $\vdash \vdash$ |          | $\vdash$   | $\vdash$     | $\vdash \vdash$ | $\dashv$        | $\dashv$           | _        |
|                 | 37           | _1       |          | 寸              | 1       | 一         |          | $\dashv$ | $\top$  | 7        |  | 87       | $\dashv$ | 十               | $\dashv$ | $\dashv$ | +       | T       |                     | $\dashv$  | 一 |             | 137        |  | $\vdash$        | $\dashv$ | $\dashv$   | $\dashv$     | ┌┤              | $\dashv$        | $\dashv$           |          |
|                 | 38           |          |          |                | 1       |           |          | ╗        |   | 7        |  | 88       | $\dashv$ | $\dashv$        | $\top$   | $\top$   | $\top$  | 1       | П                   | $\exists$ |   |             | 138        | $\dashv$   |                 |          | $\dashv$   |              |                 | $\dashv$        | 十                  | _        |
|                 | 39           |          |          | J              | 1       |           | コ        | コ        |   |          |  | 89       |          |                 |          | _        |         | T       |                     | $\neg$    |   | $\neg \neg$ | 139        |  | $\Box$          |          | $\neg$   |              | $\Box$          | _               | 寸                  | $\neg$   |
|                 | 40           |          |          |                | 1       |           |          |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |          |  | 90       |          |                 |          |          |         | Ι       |                     |           | ٦ |             | 140        |  | $\sqcap$        |          | $\neg$   |              | $\Box$          | $\dashv$        | $\dashv$           |          |
| [               | 41           |          |          |                | 1       | $\Box$    | $\Box$   |          |   |          |  | 91       |          | $\Box$          | $\Box$   | Ι        |         | I       |                     |           |   |             | 141        |  |                 | 一        |  |              | $\sqcap$        | 一               | $\forall$          |          |
|                 | 42           |          |          | _              | √       | $\perp$   |          | $\bot$   |   | _]       |  | 92       | $\prod$  |                 | $\Box$   | $\perp$  | $\perp$ |         |                     |           |   |             | 142        |  |                 |          |  |              |                 | $\Box$          |                    |          |
|                 | 43           |          | 4        | _              | _       | _         | _        | $\perp$  |   | ╛        |  | 93       |          | $\Box$          | $\bot$   | $\bot$   | $\perp$ | 1       |                     | _]        |   |             | 143        |  |                 | $\Box$   |  |              |                 |                 |                    |          |
|                 | 44           | $\dashv$ |          | 4              | _       | 4         | _        | 4        |   | 4        | $\perp \perp$                                    | 94       | $\perp$  | $\perp$         |          |          | $\perp$ | $\perp$ | П                   | _]        |   |             | 144        |  |                 | J        |  |              |                 | $\Box$          |                    |          |
|                 | 45           | _        | _        | -4             | _       | _         | _        | 4        | _ _   | 4        | $\square$  | 95       |          | $\perp$         |          | $\perp$  | $\perp$ | _       |                     | _         | L |             | 145        |  |                 | $\Box$   |  |              |                 |                 |                    |          |
|                 | 46           | _        |          | -              | 4       | -         | _        |          | 4   | 4        |  | 96       | _        | _               | 4        | _        | - -     | ╄-      | $\sqcup$            | $\Box$    | L |             | 146        |  |                 |          | $\Box$   | $\Box$       | $\Box$          | $\Box$          | $\Box$             |          |
| <u> </u>        | 47           | -        |          | -              | 4       | _         | _        | -        | _ _   | 4        |  | 97       | _        | _               | 4        |          | $\perp$ | 4       | $\sqcup$            | _         | L |             | 147        | _]   |                 |          |  |              |                 | $\bot$          | $oldsymbol{\perp}$ |          |
|                 | 48           |          | 4        | 4              | -       | 4         | _        | 4        |   | 4        |  | 98       |          | _               | 4        | _        | $\perp$ | 1_      | $\sqcup \bot$       | _         | L |             | 148        |  |                 | [        |  | _]           | [               | $\bot$          | $\perp$            |          |
| $\dashv$        | 49           | -+       | $\dashv$ | -              | +       | +         | -        | $\dashv$ |   | 4        | $\vdash$   | 99       | 4        | _               | -        | +        | +-      | +-      | $\vdash \downarrow$ | _         | L |             | 149        |  |                 | $\Box$   |  |              |                 | $\dashv$        | 4                  |          |
|                 | 50           | ᆚ        | 丄        | $_{\perp}$     | $\perp$ |           |          |          |   | J        | ш  | 100      |          |                 |          | 止        | $\perp$ |         | Ш                   | _         | L |             | 150        |  | - 1             | - 1      |  | - 1          |                 |                 |                    | - 1      |